

<!--StartFragment-->RESULT 5

AAD36478

10/050,675

Does not encode full SEQ ID NO:9

ID AAD36478 standard; cDNA; 2409 BP.

XX

SEQ ID NO:8 alignment

AC AAD36478;

XX

DT 21-AUG-2002 (first entry)

XX

DE Human phospholipase A2-like enzyme encoding cDNA #3.

XX

KW Human; phospholipase A2-like enzyme; PLA2; asthma; cancer; inflammation;
 KW cardiovascular disorder; central nervous system disease; CNS; diabetes;
 KW obesity; chronic obstructive pulmonary disease; overweight; anorexia;
 KW cachexia; wasting disorder; appetite modulation; eating disorder; stroke;
 KW bulimia; obesity; hypertension; type 2 diabetes; gall bladder disease;
 KW coronary artery disease; hyperlipidaemia; osteoarthritis; sleep apnoea;
 KW respiratory disorder; cancer; polycystic ovarian syndrome; pregnancy;
 KW thrombotic disease; menstrual irregularities; hirsutism; depression;
 KW gout; stress incontinence; gene therapy; cytostatic; cardiatic; vulnerary;
 KW nootropic; Anticonvulsant; neuroleptic; tranquilliser; antiinfertility;
 KW analgesic; metabolic; enzyme; gene; ss.

XX

OS Homo sapiens.

XX

FH Key Location/Qualifiers

FT CDS 1. .2406

FT /*tag= a

FT /product= "Human phospholipase A2-like enzyme"

FT /note= "CDS does not include start and stop codon"

FT /partial

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PN WO200231162-A2.

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PD 18-APR-2002.

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PF 09-OCT-2001; 2001WO-EP011642.

XX

PR 10-OCT-2000; 2000US-0238434P.

PR 27-DEC-2000; 2000US-0258051P.

PR 31-AUG-2001; 2001US-0315982P.

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PA (FARB) BAYER AG.

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PI Zhu Z;

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DR WPI; 2002-416866/44.

DR P-PSDB; AAE22843.

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PT New human phospholipase A2-like enzyme polypeptides for treating or
 PT preventing cancer, inflammation, and chronic obstructive pulmonary
 PT disease, diabetes, stroke, dementia and obesity.

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PS Claim 1; Fig 8; 164pp; English.

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CC The present invention relates to novel human phospholipase A2 (PLA2)-like
 CC enzyme polypeptides and their corresponding proteins. PLA2-like sequences
 CC are useful for treating phospholipase A2-like enzyme dysfunction related
 CC diseases such as asthma, cancer, inflammation, cardiovascular disorder,
 CC central nervous system (CNS) disease, diabetes, obesity and chronic
 CC obstructive pulmonary disease. They are useful for treating overweight,
 CC anorexia, cachexia, wasting disorders, appetite suppression, appetite

CC enhancement, increases or decreases in satiety, modulation of body weight
 CC and/or other eating disorders such as bulimia, obesity/overweight-
 CC associated comorbidities including hypertension, type 2 diabetes, stroke,
 CC coronary artery disease, hyperlipidaemia, gall bladder disease, gout,
 CC osteoarthritis, sleep apnoea and respiratory problems, endometrial,
 CC breast, prostate, colon cancer, thrombotic disease, polycystic ovarian
 CC syndrome, reduced fertility, complications of pregnancy, menstrual
 CC irregularities, hirsutism, stress incontinence and depression. Sequences
 CC of the invention are also used in gene therapy. The present sequence is
 CC human PLA2-like cDNA

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SQ Sequence 2409 BP; 498 A; 760 C; 709 G; 442 T; 0 U; 0 Other;

Query Match 67.2%; Score 2409; DB 6; Length 2409;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 2409; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	147	GAGGCCTCTACCTGCTGGCAGCTCACAGTGAGGGTCCTGGAGGCGCGGAACCTGCGCTGG	206
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Qy	207	GCTGACCTGTTGAGTGAGGCCGACCCCTTACGTGATCCTACAGCTGTGACCGCACCTGGA	266
Db	61	GCTGACCTGTTGAGTGAGGCCGACCCCTTACGTGATCCTACAGCTGTGACCGCACCTGGA	120
Qy	267	ATGAAGTTTAAGACCAAGACGCTCACCGACACCAGTCATCCTGTGTGGAATGAGGCCTTC	326
Db	121	ATGAAGTTTAAGACCAAGACGCTCACCGACACCAGTCATCCTGTGTGGAATGAGGCCTTC	180
Qy	327	CGTTTCCTTATCCAAAGTCAGGTCAAGAATGTTCTGGAGCTTAGCATCTATGATGAGGAC	386
Db	181	CGTTTCCTTATCCAAAGTCAGGTCAAGAATGTTCTGGAGCTTAGCATCTATGATGAGGAC	240
Qy	387	TCAGTCACGGAGGATGACATCTGCTTCAAGGTTCTCTATGACATCTCAGAAGTCCTCCCT	446
Db	241	TCAGTCACGGAGGATGACATCTGCTTCAAGGTTCTCTATGACATCTCAGAAGTCCTCCCT	300
Qy	447	GGCAAGCTGCTCCGGAACCTTCTCCAGAGTCCCCAGGGAGAGGAGGAGCTGGATGTG	506
Db	301	GGCAAGCTGCTCCGGAACCTTCTCCAGAGTCCCCAGGGAGAGGAGGAGCTGGATGTG	360
Qy	507	GAGTTCCTGATGGAAGAAACGTCAGATCGCCAGAAAACCTCATCACCAACAAAGTCATT	566
Db	361	GAGTTCCTGATGGAAGAAACGTCAGATCGCCAGAAAACCTCATCACCAACAAAGTCATT	420
Qy	567	GTGGCCCCGAGAGCTGTCATGCCTGGATGTGCATCTGGACAGCACAGGGAGCACCGCTGTG	626
Db	421	GTGGCCCCGAGAGCTGTCATGCCTGGATGTGCATCTGGACAGCACAGGGAGCACCGCTGTG	480
Qy	627	GTTGCAGATCAGGACAAGCTGGAGCTGGAGCTGGTGCTGAAGGGGTCCTATGAGGACACA	686
Db	481	GTTGCAGATCAGGACAAGCTGGAGCTGGAGCTGGTGCTGAAGGGGTCCTATGAGGACACA	540
Qy	687	CAGACATCCTTCTGGGCACAGCCTCTGCCTTCCGCTTCCACTACATGGCAGCCCTAGAG	746
Db	541	CAGACATCCTTCTGGGCACAGCCTCTGCCTTCCGCTTCCACTACATGGCAGCCCTAGAG	600
Qy	747	ACAGAGCTGAGCGGGCGCCTGAGGAGCTCCAGAAGCAATGGCTGGAATGGGGACAACCTCA	806
Db	601	ACAGAGCTGAGCGGGCGCCTGAGGAGCTCCAGAAGCAATGGCTGGAATGGGGACAACCTCA	660

Qy	807	GCTGGGTACCTCACTGTGCCCTGAGGCCCTTGACCATTGGGAAGGAGGTGACTATGGAT	866
Db	661	GCTGGGTACCTCACTGTGCCCTGAGGCCCTTGACCATTGGGAAGGAGGTGACTATGGAT	720
Qy	867	GTTCTGTCTCCAAATGCCCCAGGAGTGAGGCTGCAGCTCAAGGCAGAGGGCTGCCCTGAG	926
Db	721	GTTCTGTCTCCAAATGCCCCAGGAGTGAGGCTGCAGCTCAAGGCAGAGGGCTGCCCTGAG	780
Qy	927	GAGCTGGCCGTGCACCTGGGCTTCAATCTCTGTGCAGAGGAGCAGGCCTTCCTGAGCAGG	986
Db	781	GAGCTGGCCGTGCACCTGGGCTTCAATCTCTGTGCAGAGGAGCAGGCCTTCCTGAGCAGG	840
Qy	987	AGGAAGCAGGTGGTGGCCAAGGCCCTGAAGCAGGCCCTGCAGCTGGACAGAGACCTGCAG	1046
Db	841	AGGAAGCAGGTGGTGGCCAAGGCCCTGAAGCAGGCCCTGCAGCTGGACAGAGACCTGCAG	900
Qy	1047	GAGGATGAGGTACCCGTTGTGGGCATCATGGCCACAGGAGGAGGTGCCCCGGGCCATGACC	1106
Db	901	GAGGATGAGGTACCCGTTGTGGGCATCATGGCCACAGGAGGAGGTGCCCCGGGCCATGACC	960
Qy	1107	TCACTCTACGGCCACCTATTGGCCTTGACAGAGCTGGGCCTCCTAGACTGTGTGACCTAC	1166
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Qy	1167	TTCAGTGGCATCTCTGGCTCTACGTGGACAATGGCCACCTGTACGGGGACCCTGAGTGG	1226
Db	1021	TTCAGTGGCATCTCTGGCTCTACGTGGACAATGGCCACCTGTACGGGGACCCTGAGTGG	1080
Qy	1227	TCGCAGAGGGACCTGGAGGGACCTATCAGATACGCCCCGGGAGCACCTGGCCAAGAGCAAG	1286
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Qy	1287	CTGGAGGTCTTTTCCCCAGAGCGCCTGGCGAGCTACCGCCGGGAGCTGGAGCTGCGGGCT	1346
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Qy	1347	GAGCAGGGCCACCCACGACCTTTGTGGACCTGTGGGCGCTAGTGCTGGAGTCCATGCTG	1406
Db	1201	GAGCAGGGCCACCCACGACCTTTGTGGACCTGTGGGCGCTAGTGCTGGAGTCCATGCTG	1260
Qy	1407	CACGGCCAGGTGATGGATCAGAAGCTGTCAGGACAGAGAGCCGCCCTGGAACGGGGTCAG	1466
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Qy	1467	AACCTCTGCCCCCTCTACTTGAGCCTCAATGTCAAAGAGAACAATCTGGAGACACTGGAC	1526
Db	1321	AACCTCTGCCCCCTCTACTTGAGCCTCAATGTCAAAGAGAACAATCTGGAGACACTGGAC	1380
Qy	1527	TTCAAGGAGTGGGTTGAGTTCTCCCCCTATGAGGTGCGTTTCTGAAGTACGGGGCCTTC	1586
Db	1381	TTCAAGGAGTGGGTTGAGTTCTCCCCCTATGAGGTGCGTTTCTGAAGTACGGGGCCTTC	1440
Qy	1587	GTCCCTCCTGAGCTCTTCGGCTCCGAGTTCTTCATGGGACGGCTGATGAGGAGGATCCCG	1646
Db	1441	GTCCCTCCTGAGCTCTTCGGCTCCGAGTTCTTCATGGGACGGCTGATGAGGAGGATCCCG	1500
Qy	1647	GAGCCCCGGATCTGCTTTCTGGAAGCCATCTGGAGCAACATTTTCTCCCTGAACCTGCTG	1706
Db	1501	GAGCCCCGGATCTGCTTTCTGGAAGCCATCTGGAGCAACATTTTCTCCCTGAACCTGCTG	1560
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Db      1621 ACCAGGAGCTTAGAGAAGGAGCCCCTGACCACCTCGGGGACCTCCTCGCGGCTGGAGGCC 1680
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Qy      1827 TCGTGGCTGCAGCCAGGCACGGCGCTGGCCAGGCATTTAAAGGCTTCCTGACAGGCAGG 1886
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Db      1681 TCGTGGCTGCAGCCAGGCACGGCGCTGGCCAGGCATTTAAAGGCTTCCTGACAGGCAGG 1740
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Qy      1887 CCCCTCCACCAGCGCAGCCCCAACTTCCTCCAGGGCCTCCAGCTGCACCAGGACTACTGT 1946
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Qy      1947 AGCCACAAAGACTTCTCCACCTGGGCAGACTACCAGCTTGACTCCATGCCCAGCCAGCTG 2006
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Db      1861 ACCCCCAAGGAGCCCCGGCTCTGCCTGGTGGACGCCGCCTACTTCATCAACACCAGCTCT 1920
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Qy      2067 CCCTCCATGTTCCGGCCAGGCCGAGGCTGGACCTCATCCTCTCCTTCGACTACTCCCTA 2126
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Qy      2127 TCTGCGCCCTTCGAGGCACTGCAGCAGACGGAGCTGTACTGCCGGGCCCCGGGGGCTGCCC 2186
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Db      1981 TCTGCGCCCTTCGAGGCACTGCAGCAGACGGAGCTGTACTGCCGGGCCCCGGGGGCTGCCC 2040
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Qy      2187 TTCCCCCGGGTGAACCCAGCCCTCAGGACCAGCACCAGCCAAGGGAATGCCACCTCTTC 2246
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Db      2041 TTCCCCCGGGTGAACCCAGCCCTCAGGACCAGCACCAGCCAAGGGAATGCCACCTCTTC 2100
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Db      2101 TCAGACCCCGCCTGCCCCGAGGCCCGATCCTGCTGCACTTCCCGCTGGTCAATGCCTCC 2160
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Qy      2367 GTGGATCTCACCGGGGCCACCTGCCCCTACACCCTGTCCAACATGACCTACAAGGAGGAA 2426
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Qy      2427 GACTTCGAGCGCCTGCTGCGGCTCAGTGACTACAACGTGCAGACCAGCCAGGGTGCCATC 2486
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Qy      2487 CTGCAGGCCCTGAGGACCGCGCTGAAGCACCGGACTCTAGAGGCGAGGCCTCCAAGGGCA 2546
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